

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/692,439
Source: IFWO
Date Processed by STIC: 07/26/2005

ENTERED



IFWO

RAW SEQUENCE LISTING

DATE: 07/26/2005

PATENT APPLICATION: US/10/692,439

TIME: 09:37:51

Input Set : N:\Crf3\RULE60\10692439.raw

Output Set: N:\CRF4\07262005\J692439.raw

```

1 <110> APPLICANT: Pinsky, David J
2     Stern, David
3     Schmidt, Ann M
4     Rose, Eric
5     Solomon, Robert A
6 <120> TITLE OF INVENTION: METHODS FOR TREATING ISCHEMIC DISORDER AND IMPROVING
7     STROKE OUTCOME
8 <130> FILE REFERENCE: 0575/51917-C-PCT-US
9 <140> CURRENT APPLICATION NUMBER: US/10/692,439
10 <141> CURRENT FILING DATE: 2003-10-22
11 <150> PRIOR APPLICATION NUMBER: US/09/671,100
12 <151> PRIOR FILING DATE: 2000-09-27
13 <150> PRIOR APPLICATION NUMBER: PCT/US99/07175
14 <151> PRIOR FILING DATE: 1999-04-01
15 <150> PRIOR APPLICATION NUMBER: US 09/053,871
16 <151> PRIOR FILING DATE: 1998-04-01
17 <160> NUMBER OF SEQ ID NOS: 20
18 <170> SOFTWARE: PatentIn version 3.1
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 29
22 <212> TYPE: DNA
23 <213> ORGANISM: Artificial Sequence
24 <220> FEATURE:
25 <223> OTHER INFORMATION: Oligonucleotide primer directed to human Factor IX
26 <220> FEATURE:
27 <221> NAME/KEY: misc_feature
28 <222> LOCATION: (14)..(16)
29 <223> OTHER INFORMATION: NNN is the complement to a DNA codon for any one of the
30     standard
31     amino acids other than serine.
32 <400> SEQUENCE: 1
W--> 33     catgggggtcc cccnnnatct ccttgacat                                29
35 <210> SEQ ID NO: 2
36 <211> LENGTH: 30
37 <212> TYPE: DNA
38 <213> ORGANISM: Artificial Sequence
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40 <223> OTHER INFORMATION: Oligonucleotide primer directed to human Factor IX
41 <220> FEATURE:
42 <221> NAME/KEY: misc_feature
43 <222> LOCATION: (15)..(17)
44 <223> OTHER INFORMATION: NNN is the complement to a DNA codon for any one of the
45     standard

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46      amino acids other than serine.
47 <400> SEQUENCE: 2
W--> 48      acatgggggtc ccccnnnatc tccttgacat      30
50 <210> SEQ ID NO: 3
51 <211> LENGTH: 31
52 <212> TYPE: DNA
53 <213> ORGANISM: Artificial Sequence
54 <220> FEATURE:
55 <223> OTHER INFORMATION: Oligonucleotide primer directed to human Factor IX
56 <220> FEATURE:
57 <221> NAME/KEY: misc_feature
58 <222> LOCATION: (16)..(18)
59 <223> OTHER INFORMATION: NNN is the complement to a DNA codon for any one of the
60      standard
61      amino acids other than serine.
62 <400> SEQUENCE: 3
W--> 63      aacatgggggt ccccnnnat ctccttgaca t      31
65 <210> SEQ ID NO: 4
66 <211> LENGTH: 30
67 <212> TYPE: DNA
68 <213> ORGANISM: Artificial Sequence
69 <220> FEATURE:
70 <223> OTHER INFORMATION: Oligonucleotide primer directed to human Factor IX
71 <220> FEATURE:
72 <221> NAME/KEY: misc_feature
73 <222> LOCATION: (14)..(16)
74 <223> OTHER INFORMATION: NNN is the complement to a DNA codon for any one of the
75      standard
76      amino acids other than serine.
77 <400> SEQUENCE: 4
W--> 78      catgggggtcc cccnnnatct ccttgacatg      30
80 <210> SEQ ID NO: 5
81 <211> LENGTH: 31
82 <212> TYPE: DNA
83 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Oligonucleotide primer directed to human Factor IX
86 <220> FEATURE:
87 <221> NAME/KEY: misc_feature
88 <222> LOCATION: (15)..(17)
89 <223> OTHER INFORMATION: NNN is the complement to a DNA codon for any one of the
90      standard
91      amino acids other than serine.
92 <400> SEQUENCE: 5
W--> 93      acatgggggtc ccccnnnatc tccttgacat g      31
95 <210> SEQ ID NO: 6
96 <211> LENGTH: 32
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial Sequence

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99 <220> FEATURE:
100 <223> OTHER INFORMATION: Oligonucleotide primer directed to human Factor IX
101 <220> FEATURE:
102 <221> NAME/KEY: misc_feature
103 <222> LOCATION: (16)..(18)
104 <223> OTHER INFORMATION: NNN is the complement to a DNA codon for any one of the
105     standard
106     amino acids other than serine.
107 <400> SEQUENCE: 6
W--> 108     aacatgggggt ccccccnnnat ctccttgaca tg                                32
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111 <211> LENGTH: 31
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Oligonucleotide primer directed to human Factor IX
116 <220> FEATURE:
117 <221> NAME/KEY: misc_feature
118 <222> LOCATION: (14)..(16)
119 <223> OTHER INFORMATION: NNN is the complement to a DNA codon for any one of the
120     standard
121     amino acids other than serine.
122 <400> SEQUENCE: 7
W--> 123     catgggggtcc cccnnnatct ccttgacatg a                                31
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126 <211> LENGTH: 32
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Oligonucleotide primer directed to human Factor IX
131 <220> FEATURE:
132 <221> NAME/KEY: misc_feature
133 <222> LOCATION: (15)..(17)
134 <223> OTHER INFORMATION: NNN is the complement to a DNA codon for any one of the
135     standard
136     amino acids other than serine.
137 <400> SEQUENCE: 8
W--> 138     acatgggggtc ccccnnnatc tccttgacat ga                                32
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141 <211> LENGTH: 33
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
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146 <220> FEATURE:
147 <221> NAME/KEY: misc_feature
148 <222> LOCATION: (16)..(18)
149 <223> OTHER INFORMATION: NNN is the complement to a DNA codon for any one of the
150     standard

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```

151      amino acids other than serine.
152 <400> SEQUENCE: 9
W--> 153      aacatgggggt cccccnnnat ctccttgaca tga                      33
155 <210> SEQ ID NO: 10
156 <211> LENGTH: 29
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: Oligonucleotide primer directed to human Factor IX
161 <220> FEATURE:
162 <221> NAME/KEY: misc_feature
163 <222> LOCATION: (14)..(16)
164 <223> OTHER INFORMATION: NNN is the complement to a DNA codon for any one of the
165      standard
166      amino acids other than aspartic acid and cysteine.
167 <400> SEQUENCE: 10
W--> 168      ccagaagcgc aatnnnatga ttgtactta                      29
170 <210> SEQ ID NO: 11
171 <211> LENGTH: 30
172 <212> TYPE: DNA
173 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Oligonucleotide primer directed to human Factor IX
176 <220> FEATURE:
177 <221> NAME/KEY: misc_feature
178 <222> LOCATION: (15)..(17)
179 <223> OTHER INFORMATION: NNN is the complement to a DNA codon for any one of the
180      standard
181      amino acids other than aspartic acid and cysteine.
182 <400> SEQUENCE: 11
W--> 183      tccagaagcg caatnnnatg attgtactta                      30
185 <210> SEQ ID NO: 12
186 <211> LENGTH: 31
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Oligonucleotide primer directed to human Factor IX
191 <220> FEATURE:
192 <221> NAME/KEY: misc_feature
193 <222> LOCATION: (16)..(18)
194 <223> OTHER INFORMATION: NNN is the complement to a DNA codon for any one of the
195      standard
196      amino acids other than aspartic acid and cysteine.
197 <400> SEQUENCE: 12
W--> 198      ttccagaagc gcaatnnnat gattgtactt a                      31
200 <210> SEQ ID NO: 13
201 <211> LENGTH: 30
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial Sequence

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204 <220> FEATURE:
205 <223> OTHER INFORMATION: Oligonucleotide primer directed to human Factor IX
206 <220> FEATURE:
207 <221> NAME/KEY: misc_feature
208 <222> LOCATION: (14)..(16)
209 <223> OTHER INFORMATION: NNN is the complement to a DNA codon for any one of the
210     standard
211     amino acids other than aspartic acid and cysteine.
212 <400> SEQUENCE: 13
W--> 213     ccagaagcgc aatnnnatga ttgtacttat                                30
215 <210> SEQ ID NO: 14
216 <211> LENGTH: 31
217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: Oligonucleotide primer directed to human Factor IX
221 <220> FEATURE:
222 <221> NAME/KEY: misc_feature
223 <222> LOCATION: (15)..(17)
224 <223> OTHER INFORMATION: NNN is the complement to a DNA codon for any one of the
225     standard
226     amino acids other than aspartic acid and cysteine.
227 <400> SEQUENCE: 14
W--> 228     tccagaagcg caatnnnatg attgtactta t                                31
230 <210> SEQ ID NO: 15
231 <211> LENGTH: 32
232 <212> TYPE: DNA
233 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Oligonucleotide primer directed to human Factor IX
236 <220> FEATURE:
237 <221> NAME/KEY: misc_feature
238 <222> LOCATION: (16)..(18)
239 <223> OTHER INFORMATION: NNN is the complement to a DNA codon for any one of the
240     standard
241     amino acids other than aspartic acid and cysteine.
242 <400> SEQUENCE: 15
W--> 243     ttccagaagc gcaatnnnat gattgtactt at                                32
245 <210> SEQ ID NO: 16
246 <211> LENGTH: 31
247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: Oligonucleotide primer directed to human Factor IX
251 <220> FEATURE:
252 <221> NAME/KEY: misc_feature
253 <222> LOCATION: (14)..(16)
254 <223> OTHER INFORMATION: NNN is the complement to a DNA codon for any one of the
255     standard

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/692,439

DATE: 07/26/2005
TIME: 09:37:52

Input Set : N:\Crf3\RULE60\10692439.raw
Output Set: N:\CRF4\07262005\J692439.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 14,15,16
Seq#:2; N Pos. 15,16,17
Seq#:3; N Pos. 16,17,18
Seq#:4; N Pos. 14,15,16
Seq#:5; N Pos. 15,16,17
Seq#:6; N Pos. 16,17,18
Seq#:7; N Pos. 14,15,16
Seq#:8; N Pos. 15,16,17
Seq#:9; N Pos. 16,17,18
Seq#:10; N Pos. 14,15,16
Seq#:11; N Pos. 15,16,17
Seq#:12; N Pos. 16,17,18
Seq#:13; N Pos. 14,15,16
Seq#:14; N Pos. 15,16,17
Seq#:15; N Pos. 16,17,18
Seq#:16; N Pos. 14,15,16
Seq#:17; N Pos. 15,16,17
Seq#:18; N Pos. 16,17,18
Seq#:19; N Pos. 16,17,18

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 29
Seq#:2; Line(s) 44
Seq#:3; Line(s) 59
Seq#:4; Line(s) 74
Seq#:5; Line(s) 89
Seq#:6; Line(s) 104
Seq#:7; Line(s) 119
Seq#:8; Line(s) 134
Seq#:9; Line(s) 149
Seq#:10; Line(s) 164
Seq#:11; Line(s) 179
Seq#:12; Line(s) 194
Seq#:13; Line(s) 209
Seq#:14; Line(s) 224
Seq#:15; Line(s) 239
Seq#:16; Line(s) 254
Seq#:17; Line(s) 269
Seq#:18; Line(s) 284
Seq#:19; Line(s) 299

VERIFICATION SUMMARY

DATE: 07/26/2005

PATENT APPLICATION: US/10/692,439

TIME: 09:37:52

Input Set : N:\Crf3\RULE60\10692439.raw

Output Set: N:\CRF4\07262005\J692439.raw

L:33 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:48 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:63 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:78 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:93 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:138 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:243 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:288 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:303 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0